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TECH CENTER 1600/2300

1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/489,873

DATE: 10/24/2001

TIME: 14:05:19

Input Set : A:\9142-006-999.txt

Output Set: N:\CRF3\10242001\I489873.raw

5 <110> APPLICANT: Karsenty, Gerard  
 7       Ducy, Patricia  
 9       Amling, Michael  
 13 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROL OF BONE FORMATION VIA  
 14       MODULATION OF LEPTIN ACTIVITY  
 18 <130> FILE REFERENCE: 9142-006-999  
 22 <140> CURRENT APPLICATION NUMBER: 09/489,873  
 24 <141> CURRENT FILING DATE: 2000-01-20  
 28 <150> PRIOR APPLICATION NUMBER: 60/138,733  
 30 <151> PRIOR FILING DATE: 1999-06-11  
 34 <160> NUMBER OF SEQ ID NOS: 20  
 38 <170> SOFTWARE: PatentIn version 3.0  
 42 <210> SEQ ID NO: 1  
 44 <211> LENGTH: 17  
 46 <212> TYPE: DNA  
 48 <213> ORGANISM: Homo sapiens  
 52 <400> SEQUENCE: 1  
 53 catcttactt cagagaa  
 56 <210> SEQ ID NO: 2  
 58 <211> LENGTH: 24  
 60 <212> TYPE: DNA  
 62 <213> ORGANISM: Homo sapiens  
 66 <400> SEQUENCE: 2  
 67 catcttactt cagagaaagt acac  
 70 <210> SEQ ID NO: 3  
 72 <211> LENGTH: 29  
 74 <212> TYPE: DNA  
 76 <213> ORGANISM: Homo sapiens  
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 81 catcttactt cagagaagta cacccataa  
 84 <210> SEQ ID NO: 4  
 86 <211> LENGTH: 35  
 88 <212> TYPE: DNA  
 90 <213> ORGANISM: Homo sapiens  
 94 <400> SEQUENCE: 4  
 95 catcttactt cagagaagta cacccataat cctct  
 98 <210> SEQ ID NO: 5  
 100 <211> LENGTH: 35  
 102 <212> TYPE: DNA  
 104 <213> ORGANISM: Homo sapiens  
 108 <400> SEQUENCE: 5  
 109 aatcatctta cttcagagaa gtacacccat aatcc  
 112 <210> SEQ ID NO: 6  
 114 <211> LENGTH: 29  
 116 <212> TYPE: DNA  
 118 <213> ORGANISM: Homo sapiens  
 122 <400> SEQUENCE: 6

17

Does Not Comply  
Corrected Diskette Needed

Errors  
See: Page 2 of 6

Sequence ID NO: 9 24  
The nucleotide "u" may not  
appear in DNA sequences

29

35

35

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Input Set : A:\9142-006-999.txt

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123 cttacttcag agaagtacac ccataatcc 29  
 126 <210> SEQ ID NO: 7  
 128 <211> LENGTH: 23  
 130 <212> TYPE: DNA  
 132 <213> ORGANISM: Homo sapiens  
 136 <400> SEQUENCE: 7  
 137 tcagagaagt acaccataa tcc 23  
 140 <210> SEQ ID NO: 8  
 142 <211> LENGTH: 17  
 144 <212> TYPE: DNA  
 146 <213> ORGANISM: Homo sapiens  
 150 <400> SEQUENCE: 8  
 151 aagtacaccc ataatcc  
 154 <210> SEQ ID NO: 9  
 156 <211> LENGTH: 56  
 158 <212> TYPE: DNA  
 160 <213> ORGANISM: Homo sapiens  
 164 <220> FEATURE:  
 166 <221> NAME/KEY: misc\_feature  
 168 <223> OTHER INFORMATION: n = a, u, g, or c  
 172 <400> SEQUENCE: 9  
 W--> 173 acagaauuuu ugacaaauca aagcagannn nucugagnag uccuuacuuc agagaa 56  
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 180 <212> TYPE: RNA  
 182 <213> ORGANISM: Homo sapiens  
 186 <220> FEATURE:  
 188 <221> NAME/KEY: misc\_feature  
 190 <223> OTHER INFORMATION: n = a, u, g, or c  
 194 <400> SEQUENCE: 10  
 W--> 195 ggcccgggca gcugcccaa agccggnnnn ccggagnagu cgccagaccg gcucgug 57  
 198 <210> SEQ ID NO: 11  
 200 <211> LENGTH: 56  
 202 <212> TYPE: RNA  
 204 <213> ORGANISM: Homo sapiens  
 208 <220> FEATURE:  
 210 <221> NAME/KEY: misc\_feature  
 212 <223> OTHER INFORMATION: n = a, u, g, or c  
 216 <400> SEQUENCE: 11  
 W--> 217 uggcaugcaa gacaaagcag gnnnnccuga gnaguccua aaucuccaag gaguaa 56  
 220 <210> SEQ ID NO: 12  
 222 <211> LENGTH: 50  
 224 <212> TYPE: RNA  
 226 <213> ORGANISM: Homo sapiens  
 230 <220> FEATURE:  
 232 <221> NAME/KEY: misc\_feature  
 234 <223> OTHER INFORMATION: n = a, u, g, or c  
 238 <400> SEQUENCE: 12  
 W--> 239 uauaugacaa agcugunnnn acagagnagu ccuugugugg uaaagacacg 50

Errored  
 The nucleotide "u" may  
 only be present in RNA sequences

ok

ok

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Input Set : A:\9142-006-999.txt

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 246 <212> TYPE: RNA  
 248 <213> ORGANISM: Homo sapiens  
 252 <220> FEATURE:  
 254 <221> NAME/KEY: misc\_feature  
 256 <223> OTHER INFORMATION: n = a, u, g, or c  
 260 <400> SEQUENCE: 13  
 W--> 261 agcaccauu gaauugaugg ccaaagcggg nnnncccgag nagucaaccg uacagauaug 60  
 263 u 61  
 266 <210> SEQ ID NO: 14  
 268 <211> LENGTH: 69  
 270 <212> TYPE: RNA  
 272 <213> ORGANISM: Homo sapiens  
 276 <220> FEATURE:  
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 280 <223> OTHER INFORMATION: n = a, u, g, or c  
 284 <400> SEQUENCE: 14  
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 287 cacugaugc 69  
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 292 <211> LENGTH: 61  
 294 <212> TYPE: RNA  
 296 <213> ORGANISM: Homo sapiens  
 300 <220> FEATURE:  
 302 <221> NAME/KEY: misc\_feature  
 304 <223> OTHER INFORMATION: n = a, u, g, or c  
 308 <400> SEQUENCE: 15  
 W--> 309 gguuucuua gugaauuac acaaagcagc nnnngcugag nagucaguua ggucacacau 60  
 311 c 61  
 314 <210> SEQ ID NO: 16  
 316 <211> LENGTH: 53  
 318 <212> TYPE: RNA  
 320 <213> ORGANISM: Homo sapiens  
 324 <220> FEATURE:  
 326 <221> NAME/KEY: misc\_feature  
 328 <223> OTHER INFORMATION: n = a, u, g or c  
 332 <400> SEQUENCE: 16  
 W--> 333 acccauuua acacaaagcu gannnnucag agnagucauc ugaagguuuc uuc 53  
 336 <210> SEQ ID NO: 17  
 338 <211> LENGTH: 21  
 340 <212> TYPE: DNA  
 342 <213> ORGANISM: Homo sapiens  
 346 <400> SEQUENCE: 17  
 347 tggataaacc cttgtctttc a 21  
 350 <210> SEQ ID NO: 18  
 352 <211> LENGTH: 23  
 354 <212> TYPE: DNA  
 356 <213> ORGANISM: Homo sapiens

OK

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Input Set : A:\9142-006-999.txt

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360 <400> SEQUENCE: 18	
361 acactgttaa ttccacacca gag	23
364 <210> SEQ ID NO: 19	
366 <211> LENGTH: 20	
368 <212> TYPE: DNA	
370 <213> ORGANISM: Homo sapiens	
374 <400> SEQUENCE: 19	
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378 <210> SEQ ID NO: 20	
380 <211> LENGTH: 20	
382 <212> TYPE: DNA	
384 <213> ORGANISM: Homo sapiens	
388 <400> SEQUENCE: 20	
389 agcgatgatg aaccaggta	20

## VERIFICATION SUMMARY

DATE: 10/24/2001

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TIME: 14:05:20

Input Set : A:\9142-006-999.txt

Output Set: N:\CRF3\10242001\I489873.raw

L:173 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9  
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:195 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10  
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:217 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:239 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12  
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:261 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13  
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:285 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14  
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:309 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:15  
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:333 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16  
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16